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NOTICE OF ALLOWANCE AND FEE(S) DUE

24112

7590

07/22/2010

COATS & BENNETT, PLLC 1400 Crescent Green, Suite 300 Cary, NC 27518 EXAMINER

WOLDEKIDAN, HIBRET ASNAKE

ART UNIT PAPER NUMBER

2613 DATE MAILED: 07/22/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/576,640	12/26/2006	Steven Ian Pegg	4015-5821	5756

TITLE OF INVENTION: OPTICAL NETWORK AND AMPLIFIER NODE THEREFORE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including the delow or directed other trions.	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees w pondence address;	ill be and/or	nailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
24112	7590 07/22	nuv			of Mailing or Transı	niccion	
COATS & BE 1400 Crescent C Cary, NC 27518			I he Stat addi tran:	reby certify that thi es Postal Service w ressed to the Mail smitted to the USPI	s Fee(s ith suf Stop TO (57	Transmittal is being icient postage for firs (ISSUE FEE address 1) 273-2885, on the date	deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/576,640	12/26/2006		Steven Ian Pegg	<u>-</u>		4015-5821	5756
	I	AND AMPLIFIER NOI		T			1
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$ 0		\$1810	10/22/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS				
WOLDEKIDAN, 1	HIBRET ASNAKE	2613	398-083000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			(1) the names of up to or agents OR, alternativ (2) the name of a singl registered attorney or a 2 registered patent atto	For printing on the patent front page, list the names of up to 3 registered patent attorneys agents OR, alternatively, the name of a single firm (having as a member a gistered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is ted, no name will be printed.			
PLEASE NOTE: Un	less an assignee is ident th in 37 CFR 3.11. Comp	ified below, no assignee	THE PATENT (print or typ data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigne assignment.			ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent): \Box	Individual 🖵 Co	rporati	on or other private gro	up entity 🖵 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			o. Payment of Fee(s): (Plea	d. Form PTO-2038	is atta	ched.	·
_ ~ .	atus (from status indicated as SMALL ENTITY statu		☐ b. Applicant is no long	ger claiming SMAI	LENT	TTV status See 37 CE	FR 1.27(α)(2)
NOTE: The Issue Fee an	nd Publication Fee (if req		d from anyone other than t				e assignee or other party in
Authorized Signature				Date			
Typed or printed name				_			
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COATS & BENI	NETT, PLLC	WOLDEKIDAN, HIBRET ASNAKE				
1400 Crescent Gre	en, Suite 300	ART UNIT	PAPER NUMBER			
Cary, NC 27518			2613			
		DATE MAILED: 07/22/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 463 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 463 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/576,640	PEGG, STEVEN IAN				
Notice of Allowability	Examiner	Art Unit				
	Hibret A. Woldekidan	2613				
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS				
1. This communication is responsive to <u>06/16/2010</u> .						
2. The allowed claim(s) is/are <u>9-18; renumbered as 1-3,6,4,5</u>	<u>,7-10</u> .					
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Application	on No				
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements				
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) Inhereto or 2) In to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT						
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☑ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	oformal Patent Application Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowance				
	/Kenneth N Va Supervisory Pa	anderpuye/ atent Examiner, Art Unit 2613				

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Allowable Subject Matter

1. Claims 9-18 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claims 9 and 15 are allowable because the prior art of record fails to teach an optical network comprising...a demultiplexer and a multiplexer merged into a single continuous wavelength-selectively reflective structure configured to perform both demultiplexing and multiplexing functions...wherein the wavelength-selective structure including: a first gate receiving the incoming wavelength-multiplex signal from the preamplifier, a second gate outputting the supervisory channel to an amplifier, a third gate receiving the supervisory channel from the amplifier, and a fourth gate outputting the outgoing optical wavelength-multiplex signal; a dispersion compensator receiving the outgoing optical wavelength-multiplex signal; and a post-amplifier receiving a dispersion compensated outgoing optical wavelength-multiplex signal ...wherein the continuous, wavelength-selectively reflective structure is adapted to split off and to insert as the supervisory channel a wavelength, the attenuation of which between the input port and the amplifier is substantially the same in a pumped state and an unpumped state of the pre-amplifier and post-amplifier...

Claims 10-14 and 16-18 are allowed because they are dependent on allowed claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/576,640 Page 3

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hibret A. Woldekidan whose telephone number is (571)270-5145. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Vanderpuye can be reached on 5712723078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. A. W./ Examiner, Art Unit 2613

/Kenneth N Vanderpuye/ Supervisory Patent Examiner, Art Unit 2613 Application/Control Number: 10/576,640

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